

Figure 1

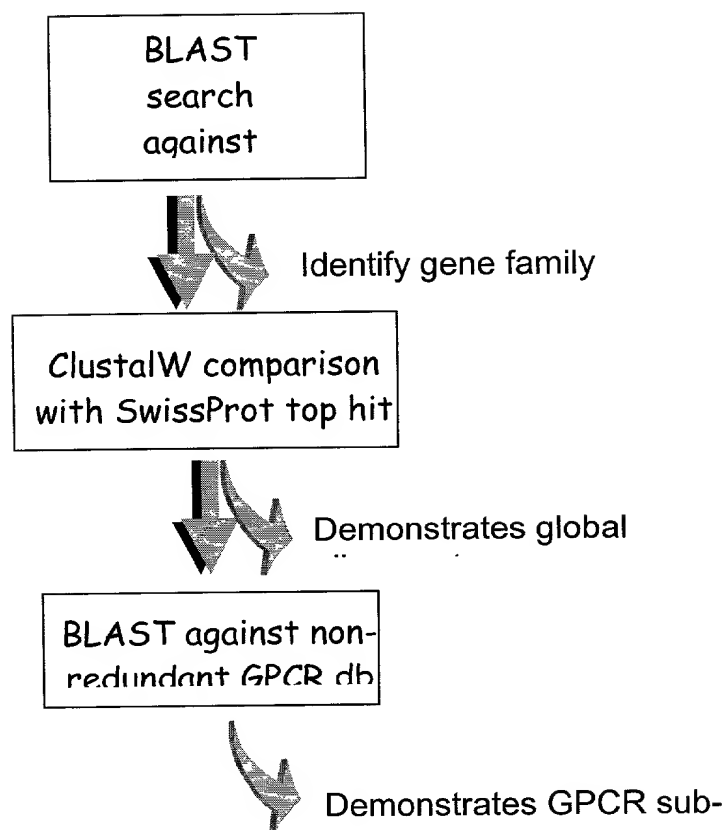


Figure 2

ClustalW Alignment of PFI-017 with Cysteinyl Leukotriene Receptor

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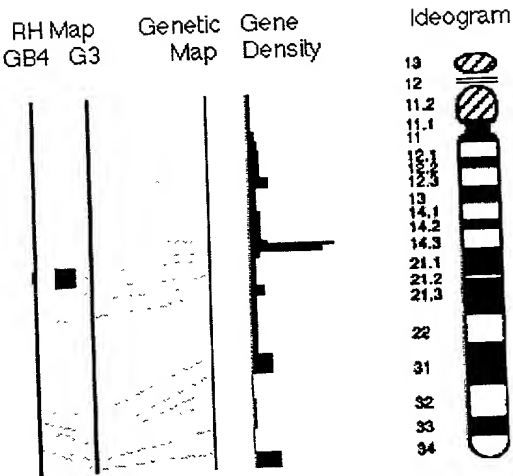
      1                                     70
PFI-017 (1) MRPNGTFSNN-NSRNCTIENFKREFRPIVYLIIFFWQVLGNGLSIYVFLQPYKKSTGVNVFMINLAISDL
CysLT1 (1) MDETGNLTIVSSATCHDTIDDFRNOVYSTLYSMISVVGFPGNGFVLYVLKTYHKKSAFOVYMINLAYADL
Consensus (1) MD G S S TID FK F LY II G GNG IYV I Y K SA NVFMINLAIDL
      71                                     140
PFI-017 (70) LFIISTLPFRADYYLRGSNWLFGDLACRIMSYSLYVNMYSIYFLITVLSVVRFLAMVHPFRLHHTSIRSA
CysLT1 (71) LCVCTPLPLRVVYYHKGIVLFGDFLCRISTYALYVNIYCSIEFMTAMSFRCIATVFPVQNNIVITOKKA
Consensus (71) L I TLP R YYL WIFGD CRI SYALYVNLY SIFFLT LS R IAV P I L S K A
      141                                     210
PFI-017 (140) WIFCGIWIWILIMASSIMLLDSGSEQN-GSVTSCLELNLYKIAK--LQTMNYIALLVVGCILPEFTTSICYL
CysLT1 (141) RFVCGVIWIFVILESSPFLMAKPKQDEKNNTKCFEPPQDNQTKNHVLVHYVSLFVGFTLPFVITIMCYT
Consensus (141) LC IWI II SS L A T C E K L L YIAL VG IIPF I ICY
      211                                     280
PFI-017 (207) LIRVLLKVEVPESGLRVSHRKALTTITITLIIFFLCFIPYHTLRTVHLTTWK--VGLCK--DRHKAIV
CysLT1 (211) MIILTLKKSMKKN--LSSHKKALGMIMVVTAAFLSFMPYHIQRTIHLHFLHNETKPCDSVLRMOKSVV
Consensus (211) LII LLK M SHKKAI III F L FLPYH RTIHL C RL KALV
      281                                     340
PFI-017 (273) ITLALAAANACFNPLLYFFAGENFKDRLKSALRKGHPOKAKTKCVFPVSVWLRKETRV--
CysLT1 (279) ITLSLAASNCCEPPLLYFFSGGNFRKRLS-TFRKHSLSVTYVPRKKASLPEKGEIEICKV
Consensus (281) ITLALAAAN CF PLYFFAG NFK RL RK SL K E

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Figure 3

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10914A.DAM

Figure 4

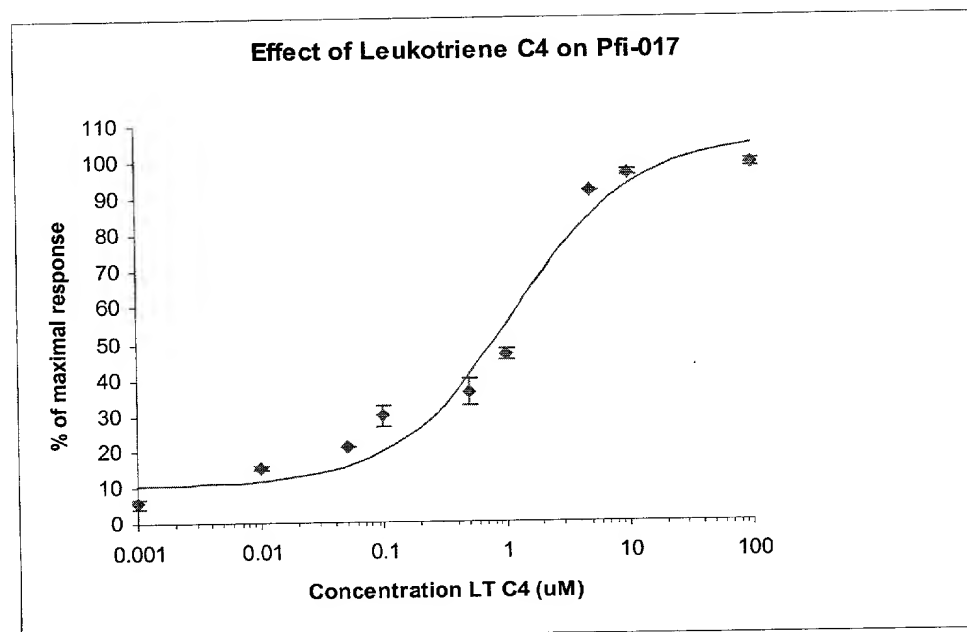
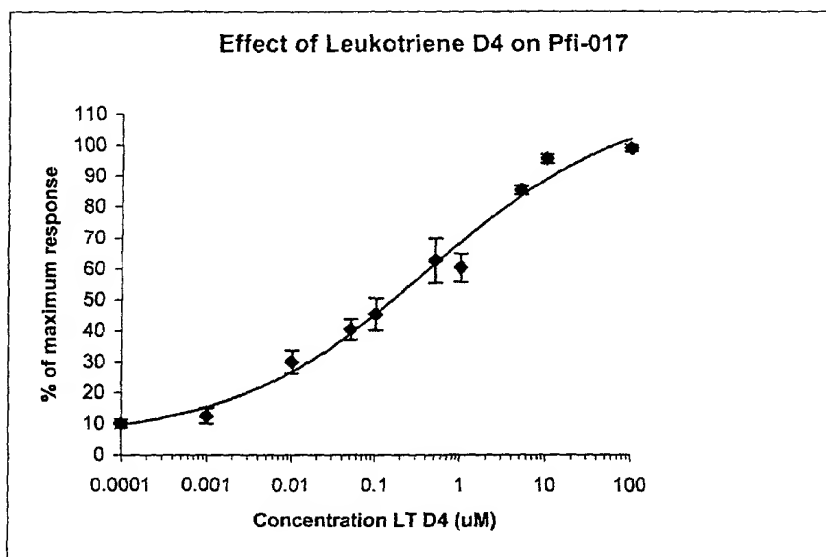


Figure 5



5

10

Figure 6A

(SEQ ID NO: 1)

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Figure 6B

(SEQ ID NO: 2)

Met Glu Pro Asn Gly Thr Phe Ser Asn Asn Asn Ser Arg Asn Cys Thr
Ile Glu Asn Phe Lys Arg Glu Phe Phe Pro Ile Val Tyr Leu Ile Ile
Phe Phe Trp Gly Val Leu Gly Asn Gly Leu Ser Ile Tyr Val Phe Leu
Gln Pro Tyr Lys Lys Ser Thr Ser Val Asn Val Phe Met Leu Asn Leu
Ala Ile Ser Asp Leu Leu Phe Ile Ser Thr Leu Pro Phe Arg Ala Asp
Tyr Tyr Leu Arg Gly Ser Asn Trp Ile Phe Gly Asp Leu Ala Cys Arg
Ile Met Ser Tyr Ser Leu Tyr Val Asn Met Tyr Ser Ser Ile Tyr Phe
Leu Thr Val Leu Ser Val Val Arg Phe Leu Ala Met Val His Pro Phe
Arg Leu Leu His Val Thr Ser Ile Arg Ser Ala Trp Ile Leu Cys Gly
Ile Ile Trp Ile Leu Ile Met Ala Ser Ser Ile Met Leu Leu Asp Ser
Gly Ser Glu Gln Asn Gly Ser Val Thr Ser Cys Leu Glu Leu Asn Leu
Tyr Lys Ile Ala Lys Leu Gln Thr Met Asn Tyr Ile Ala Leu Val Val
Gly Cys Leu Leu Pro Phe Phe Thr Leu Ser Ile Cys Tyr Leu Leu Ile
Ile Arg Val Leu Leu Lys Val Glu Val Pro Glu Ser Gly Leu Arg Val
Ser His Arg Lys Ala Leu Thr Thr Ile Ile Ile Thr Leu Ile Ile Phe
Phe Leu Cys Phe Leu Pro Tyr His Thr Leu Arg Thr Val His Leu Thr
Thr Trp Lys Val Gly Leu Cys Lys Asp Arg Leu His Lys Ala Leu Val
Ile Thr Leu Ala Leu Ala Ala Asn Ala Cys Phe Asn Pro Leu Leu
Tyr Tyr Phe Ala Gly Glu Asn Phe Lys Asp Arg Leu Lys Ser Ala Leu
Arg Lys Gly His Pro Gln Lys Ala Lys Thr Lys Cys Val Phe Pro Val
Ser Val Trp Leu Arg Lys Glu Thr Arg Val

Figure 7A

(SEQ ID NO: 5)

atggagagaaaatttatgtccttgcaaccatccatctccgtatcagaaatggaaccaaattggcaccttcagcaataacaacagca
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Figure 7B

(SEQ ID NO: 6)

Met Glu Arg Lys Phe Met Ser Leu Gln Pro Ser Ile Ser Val Ser Glu
Met Glu Pro Asn Gly Thr Phe Ser Asn Asn Asn Ser Arg Asn Cys Thr
Ile Glu Asn Phe Lys Arg Glu Phe Phe Pro Ile Val Tyr Leu Ile Ile
Phe Phe Trp Gly Val Leu Gly Asn Gly Leu Ser Ile Tyr Val Phe Leu
Gln Pro Tyr Lys Lys Ser Thr Ser Val Asn Val Phe Met Leu Asn Leu
Ala Ile Ser Asp Leu Leu Phe Ile Ser Thr Leu Pro Phe Arg Ala Asp
Tyr Tyr Leu Arg Gly Ser Asn Trp Ile Phe Gly Asp Leu Ala Cys Arg
Ile Met Ser Tyr Ser Leu Tyr Val Asn Met Tyr Ser Ser Ile Tyr Phe
Leu Thr Val Leu Ser Val Val Arg Phe Leu Ala Met Val His Pro Phe
Arg Leu Leu His Val Thr Ser Ile Arg Ser Ala Trp Ile Leu Cys Gly
Ile Ile Trp Ile Leu Ile Met Ala Ser Ser Ile Met Leu Leu Asp Ser
Gly Ser Glu Gln Asn Gly Ser Val Thr Ser Cys Leu Glu Leu Asn Leu
Tyr Lys Ile Ala Lys Leu Gln Thr Met Asn Tyr Ile Ala Leu Val Val
Gly Cys Leu Leu Pro Phe Phe Thr Leu Ser Ile Cys Tyr Leu Leu Ile
Ile Arg Val Leu Leu Lys Val Glu Val Pro Glu Ser Gly Leu Arg Val
Ser His Arg Lys Ala Leu Thr Thr Ile Ile Ile Thr Leu Ile Ile Phe
Phe Leu Cys Phe Leu Pro Tyr His Thr Leu Arg Thr Val His Leu Thr
Thr Trp Lys Val Gly Leu Cys Lys Asp Arg Leu His Lys Ala Leu Val
Ile Thr Leu Ala Leu Ala Ala Asn Ala Cys Phe Asn Pro Leu Leu
Tyr Tyr Phe Ala Gly Glu Asn Phe Lys Asp Arg Leu Lys Ser Ala Leu
Arg Lys Gly His Pro Gln Lys Ala Lys Thr Lys Cys Val Phe Pro Val
Ser Val Trp Leu Arg Lys Glu Thr Arg Val